

Summary

- In addition to the requirements in this section, you need to refer to the following sections of this chapter in order to fully protect your employees from machine hazards:
 - Requirements for All Machines, WAC 296-806-200 and WAC 296-806-300

This section applies to the hazards associated with metal and woodworking lathes.

YOUR RESPONSIBILITY:

To protect employees from hazards associated with metal and woodworking lathes

You must

METAL LATHES

Provide shields or guards on metal lathes for chip or coolant hazards WAC 296-806-45002	450-3
Safeguard work-holding devices (chucks) WAC 296-806-45004	450-3
Follow these requirements for chip control and handling WAC 296-806-45006	450-4
Safeguard power-clamping devices WAC 296-806-45008	450-4
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Lathes

WAC 296-806-450

Summary

WOODWORKING LATHES

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METAL LATHES

WAC 296-806-45002

Provide shields or guards on metal lathes for chip or coolant hazards

You must

- Provide a shield or other equally effective guard to prevent chips or coolant from being thrown or splashed on the operator, aisle, or other assigned work area, when exposed to these hazards.
 - Examples of guards include permanent chip and coolant shields.

WAC 296-806-45004

Safeguard work-holding devices (chucks)

You must

- Provide a fixed or movable guard, device, awareness barrier, or peripheral cover over areas exposed to the operator on work-holding devices or chucks when:
 - It's in the clamped mode and has parts that extend beyond the outside diameter of the holding device
 - It has an irregular shape to the periphery of its body



Lathes

WAC 296-806-450

Rule

WAC 296-806-45006

Follow these requirements for chip control and handling

You must

- Make sure employees' hands don't contact chips that are being generated, such as long stringy chips.



Note:

- Chips may be removed by using things such as tools, pullers, brushes, and shovels.

WAC 296-806-45008

Safeguard power-clamping devices

You must

- Protect the operator from the hazards of thrown material when the clamping device doesn't have adequate pressure to hold the material.



Note:

- Examples of safeguarding methods include:
 - Interlocks
 - Retaining covers:
 - That contain the workpiece if it falls or flies out from the clamped work-holding device.
 - Visual or audible warnings:
 - That are located so they can be seen or heard by the operator in the normal work area, making the operator aware that there's no pressure on the clamp side of the actuator.



WAC 296-806-45010

Restrain extended workpieces on horizontal lathes

You must

- Safeguard employees from the hazards of workpieces that extend beyond the edges of the horizontal lathe by:
 - Restraining workpieces as needed to prevent whipping
and
 - Isolating workpieces with an awareness barrier, fixed or movable guard, or railing.

Lathes

WAC 296-806-450

Rule

WOODWORKING LATHES

WAC 296-806-45012

Guard cutting heads on profile lathes and swing-head lathes

You must

- Cover all cutting heads on profile lathes, swing-head lathes, and heel-turning machines with a metal guard.
- Make sure guards are made of:
 - Sheet metal at least $\frac{1}{16}$ inches thick
 - Cast iron at least $\frac{3}{16}$ inches thick

WAC 296-806-45014

Guard cutting heads on turning lathes

You must

- Install hoods or shields that cover as completely as possible all cutting heads, whether or not they rotate.



Note:

- The hood or shield should be hinged to the machine so it can be moved to make adjustments.



WAC 296-806-45016

Guard automatic turning lathes

You must

- Install hoods that completely enclose the cutter blades, except at contact points where stock is being cut, on the following types of machines:
 - Shoe last and spoke lathes
 - Doweling machines
 - Heel-turning machines
 - Automatic turning lathes with rotating knives

WAC 296-806-45018

Guard wood lathes used for turning long pieces of stock

You must

- Install long, curved guards extending over lathe tops where workpieces are held only between the 2 centers, to prevent stock from being thrown out of the machine.